



LOW LIFETIME  
REGION

(a)

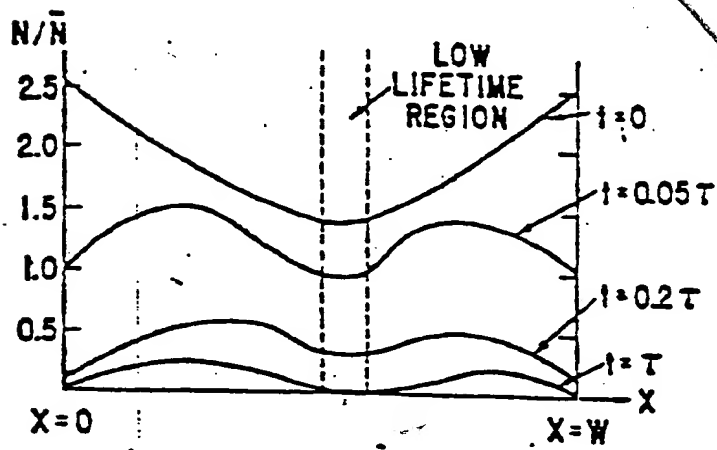


Fig. 1A

Fig. 1B

17

Minority Carrier Recombination  
Center Concentration  $\rightarrow$

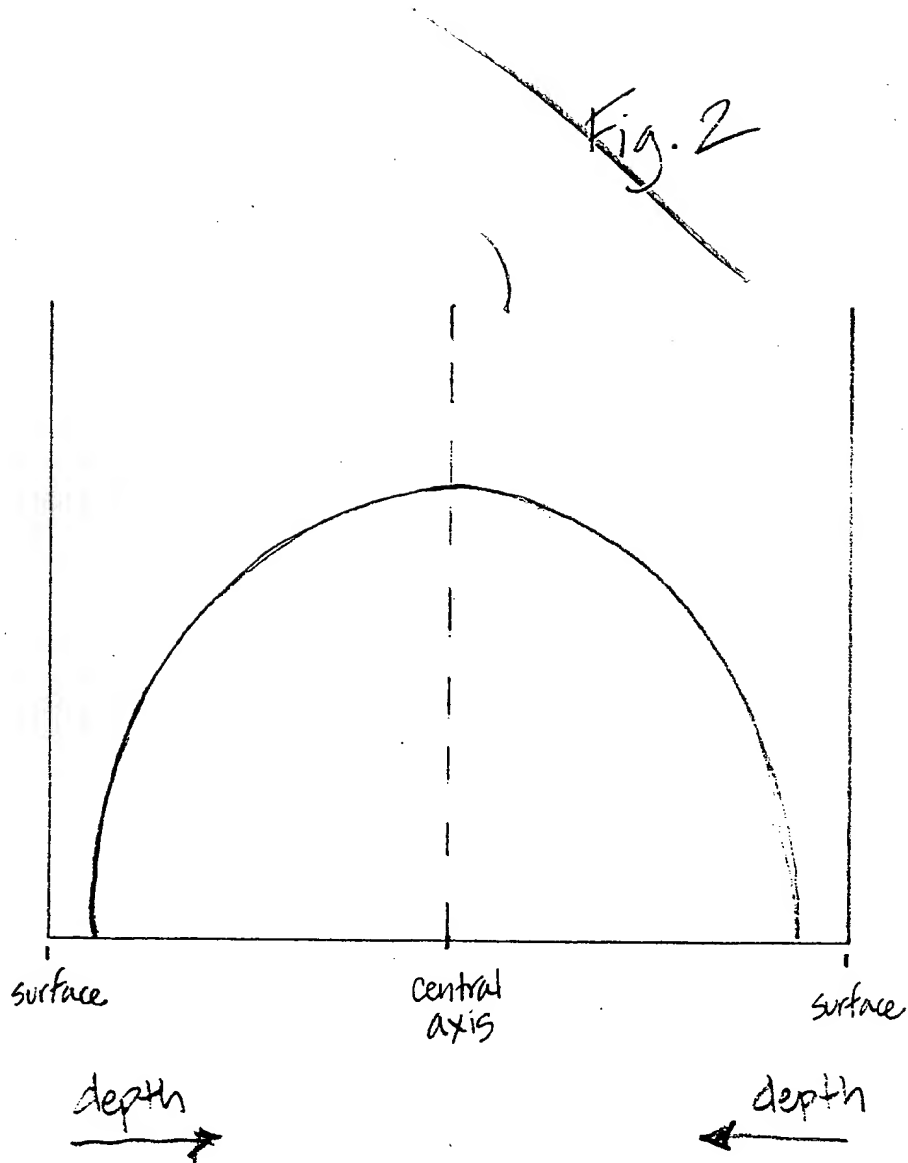


Fig. 2

Fig. 3

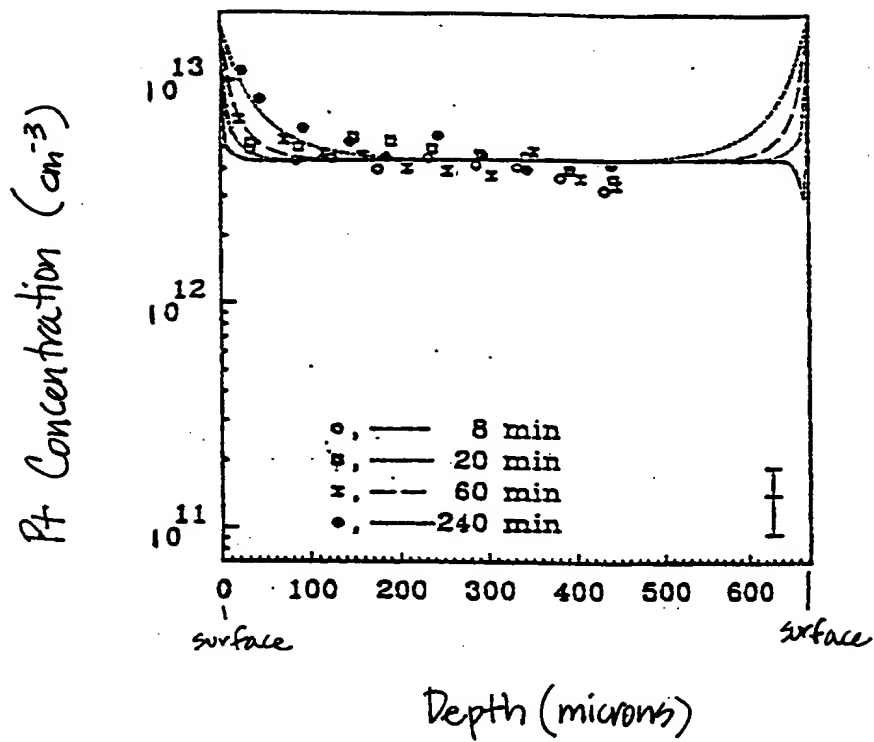


Fig. 4

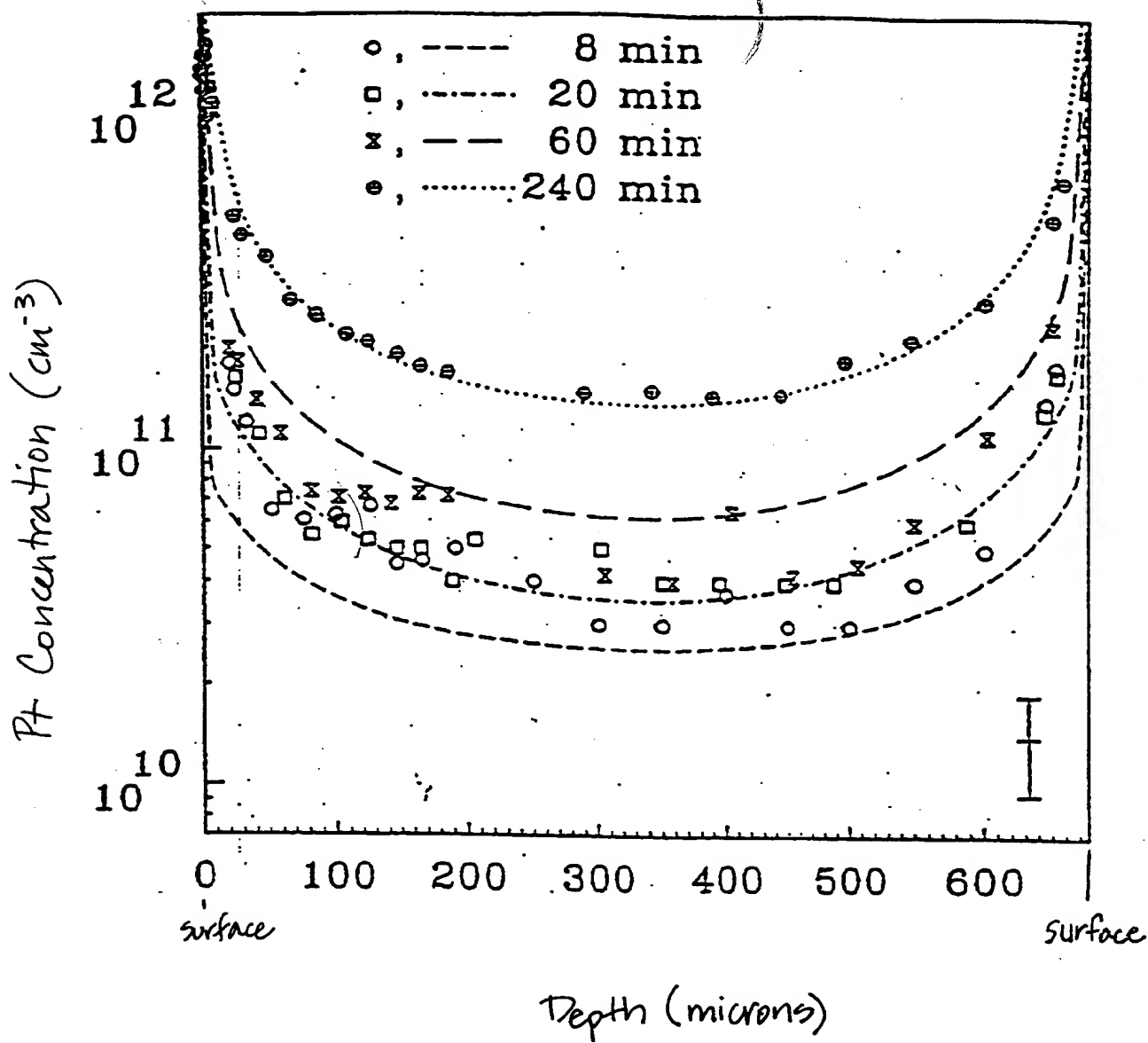


FIG. 5

1

3

5

7

$S_1$

9

11

13

$S_2$

$S_3$

$S_4$

t

t1

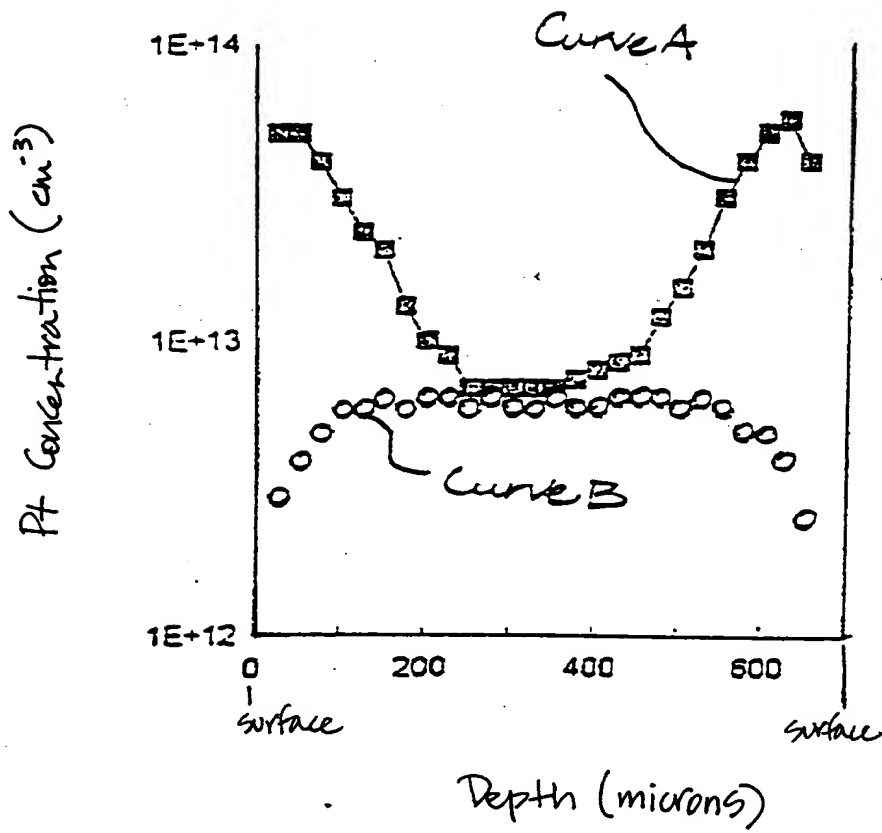
15

15'

17



Fig. 1



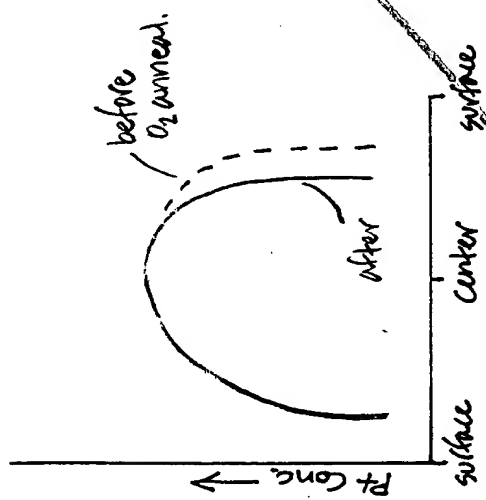


Fig. 8A

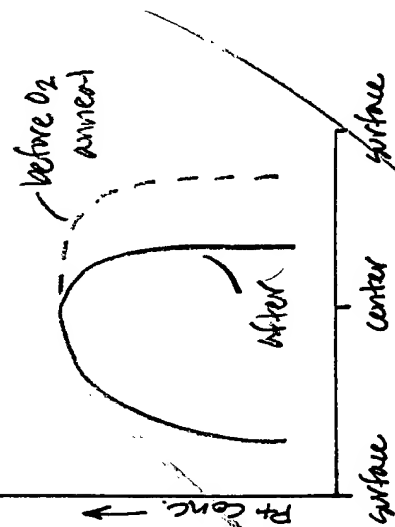


Fig. 8b

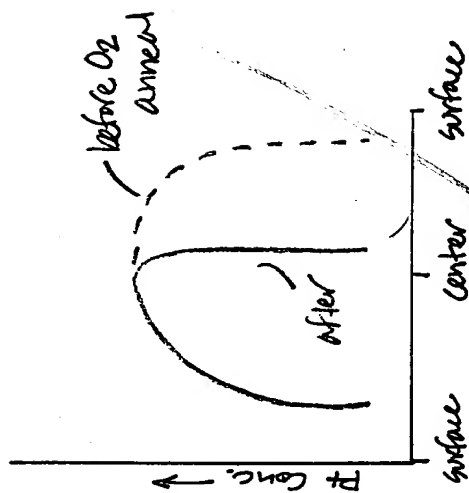


Fig. 8c

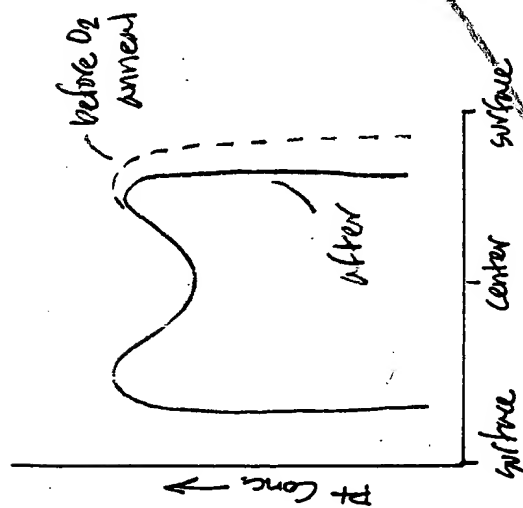


Fig. 6D

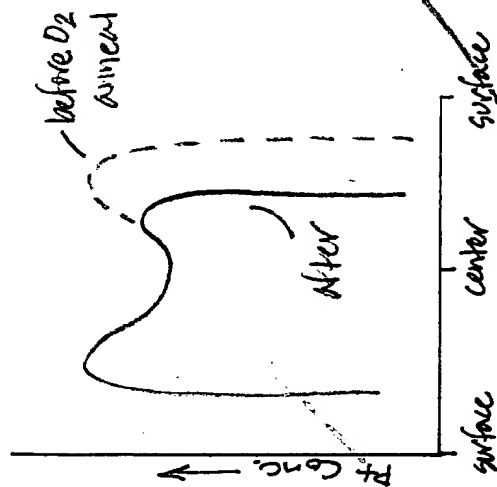


Fig. 8E

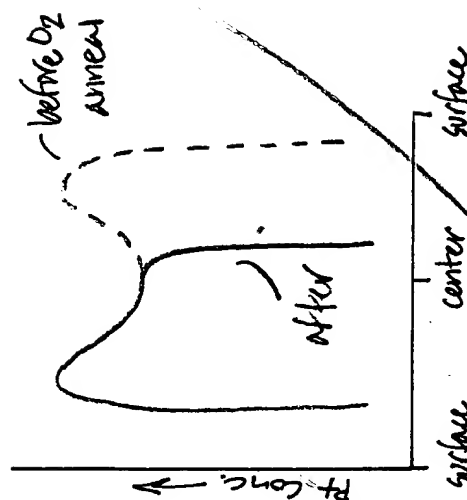


Fig-8F